# NEW

# ANALOG Output For LOW VOLUME FLOW

## Variable Area Flow Meter – KDS / BGK

- **<u>NEW : Analog Output for all Measuring Ranges Available</u>**
- Flow Measurement for Liquids and Gases
- Applicable e.g. for the Chemical , Medical- or Laboratory Industry
- High Pressure version up to PN 320
- Robust and low wear Mechanics
- Electrical Limit Switches available
- Differential Pressure Regulator Function available

**Versions:**

**KDS-K/C**
(horizontal connection)

**KDS-S**
(vertical connection, Option Hochdruck)

**KDS-R**
(regulator-vertical conn.)

**BGK**
(vertical flange connection)

**KDS-(E)**
(with analog output 4-20 mA)

**Measuring Ranges:**

| **Type** | Measuring range | Measuring range for water at 1000 kg/m$^3$ | Measuring range for air at 1.013 bars absolute pressure | Pressure loss $H_2O$ [mbar *] KDS-R | Pressure loss $H_2O$ [mbar*] KDS-K/C | Pressure loss $H_2O$ [mbar] KDS-S, BGK |
|---|---|---|---|---|---|---|
| KDS-K/C/R<br>KDS-S<br>BGK | A | 0.1-1.0 l/h | 3.0 - 30 l/h | 350 | 6 | 6 |
| | B | 0.25-2.5 l/h | 7.5 - 75 l/h | 350 | 7 | 7.5 |
| | C | 0.6-6.0 l/h | 18 - 180 l/h | 350 | 7 | 7.5 |
| | D | 1.0-10 l/h | 30 - 300 l/h | 350 | 10 | 8 |
| | E | 1.6-16 l/h | 48 - 480 l/h | 350 | 12 | 9 |
| | F | 2.5-25 l/h | 75 - 750 l/h | 350 | 17 | 10 |
| | G | 4.0-40 l/h | 120 - 1200 l/h | 350 | 25 | 11 |
| | H | 6.0-60 l/h | 180 - 1800 l/h | 350 | 45 | 12 |
| | I | 10-100 l/h | 300 - 3000 l/h | 350 | 95 | 15 |
| only KDS-S, BGK | J | 16-160 l/h | 480 - 4800 l/h | | - | 20 |
| | K | 20-200 l/h | 600 - 6000 l/h | | - | 28 |

**Measuring Accuracy:**

| | |
|---|---|
| Reference conditions | Water 20 °C (Air 20 °C) |
| Measuring error | ± 3 % qG 50 acc. VDE/VDI 3513 |
| Pressure resistance: | PN 40 (Standard) ; Regulator PN 16 ; High Pressure up to PN 320 |
| Temperature resistance: | -40…+130°C (w/o electr. options) ; -25…+100 ( c/w electr. options)<br>-10…+100 ( c/w regulating function) |

**Options:**

| | |
|---|---|
| Limit Switches : | 1 or 2 inductive limit switches<br>1 inductive limit switches in safety technology |
| Analog Ouput: | Model KDS-E, 4-20 mA, 2-wire, passive; 14-30V; intrinsically safe connected M12 plug |

Find more informations in the data sheet or the instruction manual under www.heinrichs.eu

Subject to change without notice.

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